Fast Flux Test Facility Closure Project And Advanced Reactor Transition Program

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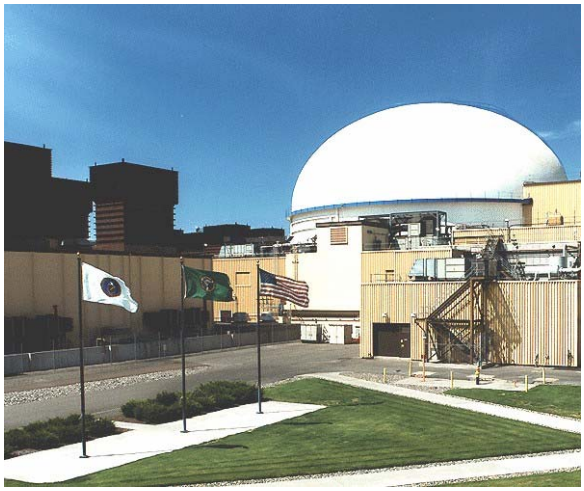
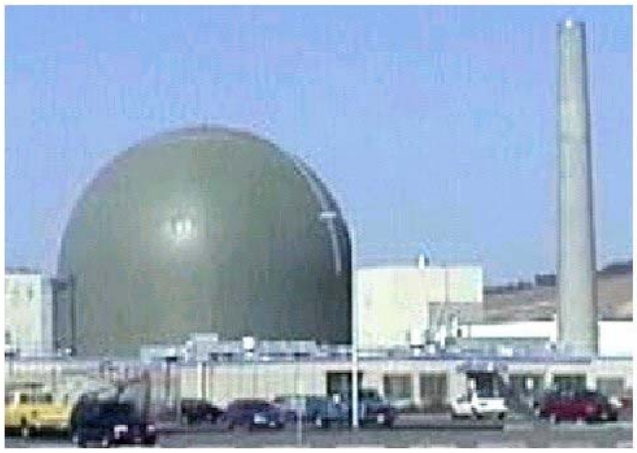


FFTF

Solid Waste Cask

Nuclear Energy Legacies:
337 High Bay



Plutonium Recycle Test Reactor:
309 Building

Overview

The mission of the Fast Flux Test Facility (FFTF) Closure Project, Project Baseline Summary (PBS) RL-CP04, is to deactivate and decommission the FFTF.

The Advanced Reactor Transition (ART) Program, PBS RL-RC03, consists of the Nuclear Energy Legacies and the 309 Building/Plutonium Recycle Test Reactor activities. A change request has been provided to RL to retain the 309 Building/PRTR scope in the FH contract until the end of fiscal year (FY) 2003, at which time it will transfer to a pending contract for the River Corridor work scope.

NOTE: Unless otherwise noted, all information contained herein is as of the end of June 2003.

NOTABLE ACCOMPLISHMENTS

FFTF Closure Project/ (PBS RL-CP04)

Fuel Offload: A significant accomplishment was achieved with the loading and delivery of two Interim Storage Casks (ISC) to the 400 Area Interim Storage Area. Before fuel assemblies are loaded into the ISC, they are washed in the Sodium Removal System to remove sodium deposits and then thoroughly dried. Each ISC holds seven fuel assemblies in dry, above-ground storage.

Preparations to ship fuel to the Plutonium Finishing Plant are ongoing. Efforts focused on preparing the storage area, having storage pads manufactured, and preparing the appropriate administrative changes to various facility documentation.

Solid Waste Cask (SWC): The time required to inert the SWC at the Interim Examination and Maintenance Cell has been reduced by 50% due to software changes recommended by the Design Authority. The change results in the argon inlet and exhaust valve to CAPS being open at the same time, thus increasing the mass flow through the SWC during the inerting process.

Interim Heat Exchanger (IHX) Secondary Sodium Drain: Preparations to complete draining sodium from the secondary side of the three Main Heat Transport System began in June. Vent/drain lines above two of the three IHXs have been heated and blown down, cooled and insulation removed in preparation for dip tube installation. Efforts to repair the trace heat above the Loop 3 IHX continue. Dip tube installation is expected to begin before the end of July.

ART Program/RC03

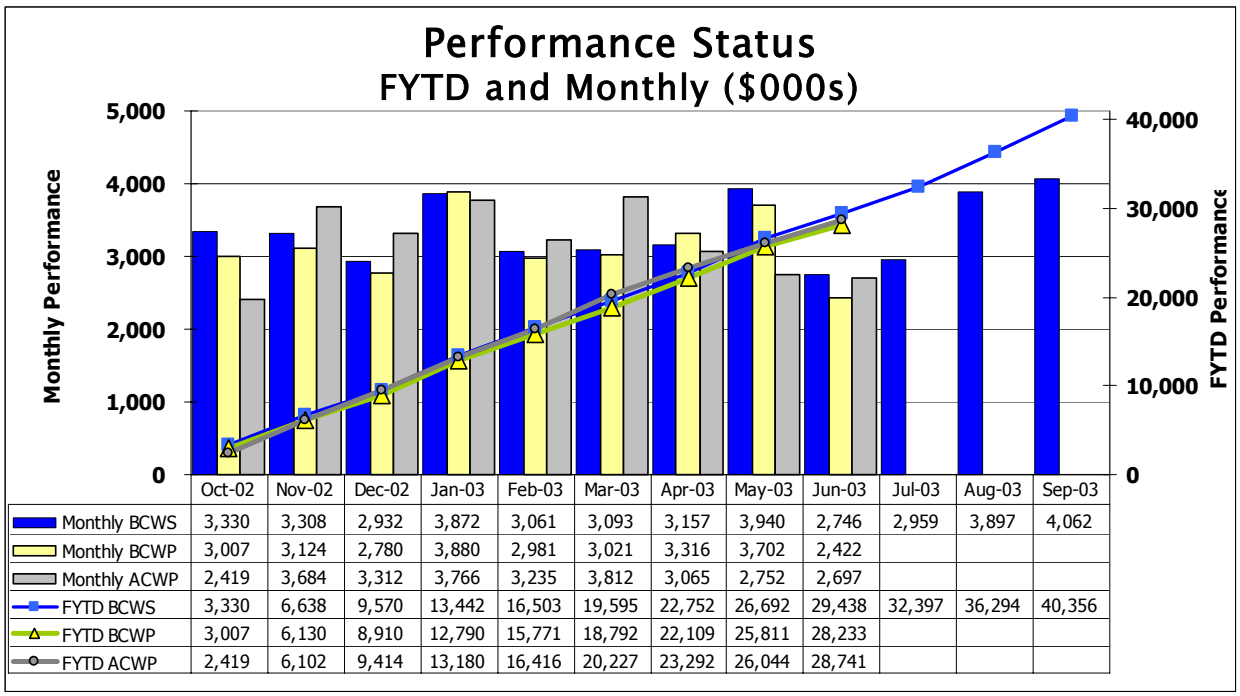
NE Legacies Deactivation: Physical modifications to the 3718-M tank and Water Vapor - Nitrogen cleaning station are nearly complete. System design analyses/documentation is complete and ready for independent review. The Hazards Assessment update is complete and revised Emergency Action Limits are in approval. Cleaning of the 3718-M tank is expected to begin before the end of July.

FY 2003 SCHEDULE/COST PERFORMANCE ($000)

Schedule Performance (-$1,206K): Significant contributors to the FFTF unfavorable schedule variance include sodium drain activities, fuel offload, and systems shutdown. These activities were impacted by the RL litigation hold on deactivation activities, which was resolved in April. Corrective action is in progress with fuel offload being the highest priority. The unfavorable ART schedule variance is due to the delay in awarding the tank cleaning contract. FH expects to begin cleaning the 3718-M tank using FH staff in July 2003. A contract has been placed for cleaning the second vessel later this fiscal year.

Cost Variance Analysis (-$508K): The unfavorable FFTF and ART cost variances are within the established threshold.

		Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance $	Schedule Variance %	Cost Variance $	Cost Variance %	Budget At Completion
RL-CP04	**FFTF Project**	28,194	27,252	27,740	-943	-3%	-488	-2%	38,151
RL-RC03	**Advanced Reactor Transition**	1,244	981	1,001	-263	-27%	-21	-2%	2,204
Total ART and FFTF		**29,438**	**28,233**	**28,741**	**-1,206**	**-4%**	**-508**	**-2%**	**40,356**



	Oct-02	Nov-02	Dec-02	Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03	Sep-03
Monthly BCWS	3,330	3,308	2,932	3,872	3,061	3,093	3,157	3,940	2,746	2,959	3,897	4,062
Monthly BCWP	3,007	3,124	2,780	3,880	2,981	3,021	3,316	3,702	2,422			
Monthly ACWP	2,419	3,684	3,312	3,766	3,235	3,812	3,065	2,752	2,697			
FYTD BCWS	3,330	6,638	9,570	13,442	16,503	19,595	22,752	26,692	29,438	32,397	36,294	40,356
FYTD BCWP	3,007	6,130	8,910	12,790	15,771	18,792	22,109	25,811	28,233			
FYTD ACWP	2,419	6,102	9,414	13,180	16,416	20,227	23,292	26,044	28,741			

MILESTONE ACHIEVEMENT

Number	Milestone Title	(TPA/ DNFSB/PI)	Due Date	Actual Date	Forecast Date	Status/ Comments
PI-S3-4a	Secondary system sodium drain	PI	5-31-03	4-16-03		Complete
PI-S3-4b	Fuel Offload 81 assemblies	PI	1-22-04		1-22-04	In progress

FY 2003 FH FUNDS VS FORECAST ($000)

	Expected Funds	Spend Forecast	Variance
RL-CP04 Fast Flux Test Facility	$ 38,172	$ 37,668	$ 504
RL-RC03 Advanced Reactor Transition	$ 2,213	$ 1,568	$ 645
Total	**$ 40,385**	**$ 39,236**	$ 1,149